

**VESSEL INFORMATION**

<b>Name</b>	:AY YILDIZ IHI
<b>Type</b>	:Dynamic Positioning Deck Cargo Ship
<b>Flag</b>	:Turkey
<b>Year of Built</b>	:2014
<b>Class</b>	:ABS
<b>LOA</b>	:71.50 m
<b>Breadth</b>	:20.30 m
<b>Depth</b>	:3.50 m
<b>GRT</b>	:1076
<b>NRT</b>	:323
<b>Deck Free Space</b>	:1,050 m <sup>2</sup>
<b>Deck Load Capacity</b>	:1,220 tones
<b>Accommodation</b>	:8 personnel

**ENGINES & GENERATORS**

<b>Total Power of Engines</b>	:1722 kW
<b>Main Engines</b>	:3 nos Doosan x 574 kW Auxiliary
<b>Generator</b>	:Perkins 40.8 kW
<b>Thrusters</b>	:3 nos x 300 Kw ZF Marine Krimpen BV
<b>Maximum Speed</b>	:10 knots
<b>Service Speed</b>	:8 knots
<b>Max. Speed Consumption</b>	:2 tons
<b>Ser. Speed Consumption</b>	:1,2 tons

**DYNAMIC POSITIONING SYSTEM**

<b>Gyro Compass</b>	:Kongsberg Mk 1, Mod 10
<b>Motion Sensor</b>	:Kongsberg MRU-D
<b>Wind Sensor</b>	:Gill Ultrasonic
<b>DGPS</b>	:Kongsberg DPS 112

**NAVIGATION EQUIPMENTS**

<b>GPS</b>	:Lowrance LGC 3000
<b>Radar</b>	:Samyung SMR-3700
<b>AIS</b>	:i-marine AIS KLAS B
<b>VHF</b>	:Lowrance Link-5

**MATERIAL HANDLING MACHINE**

**TYPE** Sennebogen 870 R State of the art load-sensing hydraulic system.

<b>Engine output</b>	:313 kW (426 HP)
<b>Action radius up to</b>	:21 m
<b>Model</b>	:2015
<b>Undercarriage</b>	:R74D-410
<b>410 Compact boom</b>	:10.5 m
<b>Loading stick</b>	:8.0 m
<b>Cab</b>	:Maxcab D270, hydraulic elevating
<b>Consumption per hour</b>	:60 lt

**SURVEY SYSTEM OF TELESCOPIC FALL PIPE**

**Aris Explorer 3000 Sonar**

<b>Identification Frequency</b>	:3.0 MHZ / 5 m Range
<b>Detection Frequency</b>	:1.8 MHZ / 20 m Range
<b>Depth rating</b>	:300 m
<b>Beam Width</b>	:0.25

**Kongsberg MS 1000 Sonar»**

<b>Depth rating</b>	:500 m
<b>Beam Width</b>	:0.72 m

**Aris RotatorAR2**

<b>Ratation</b>	:360 <sup>0</sup>
<b>Weight in air</b>	:6.30 kg
<b>Weight in water</b>	:3.5 kg

**Telescopic Fall Pipe Dimensions**

<b>Open Length</b>	:56.84 m
<b>Close Length</b>	:36.32 m

**Note:** Telescopic Fall Pipe and Sennebogen are mountable on any suitable vessel.



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